

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		(failure error) same ((firmware information data) near2 (rewrite write updat\$3) same memory	US-PGPUB; USPAT	OR	ON	2006/03/15 19:32
		S205 and (data near2 updat\$3	US-PGPUB; USPAT	OR	ON	2006/03/15 19:20
		.toyoda.as.	US-PGPUB; USPAT	OR	ON	2006/03/15 19:20
		S192 and ((second near5 memory) near5 (tempora\$4 near2 stor\$3)	US-PGPUB; USPAT	OR	ON	2006/03/15 18:26
		S178 and (((updat\$4 or upgrad\$4 or install\$4) near3 (software or application or module or code or program)) and ((updat\$4 or upgrad\$4 or install\$4) with (error or failure))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 18:27
		S178 and ((updat\$4 or upgrad\$4 or install\$4) near3 (software or application or module or code or program)) and (updat\$4 or upgrad\$4 or install\$4) with ((error or failure)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 18:26
		((updat\$4 or upgrad\$4 or install\$4) with (error or failure) AND (repeatedly near3 (writ\$4 or stor\$4 or install\$4 or updat\$4 or upgrad\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 17:41
		((updat\$4 or upgrad\$4 or install\$4) with ((error or failure) AND (repeatedly near3 (writ\$4 or stor\$4 or install\$4 or updat\$4 or upgrad\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 17:41
		((updat\$4 or upgrad\$4 or install\$4) near3 (software or application((updat\$4 or upgrad\$4 or install\$4) near3 (software or application or module or code or program)) and ((error or failure) near3 threshold) and (repeat\$4 near3 (updat\$4 or upgrad\$4 or install\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 15:05

## EAST Search History

(postinstall\$4 or postupdat\$4 or postupgrad\$4) and ((updat\$4 or upgrad\$4 or install\$4) near3 (software or application((updat\$4 or upgrad\$4 or install\$4) near3 (software or application or module or code or program)) and ((error or failure) near3 threshold) and (repeat\$4 near3 (updat\$4 or upgrad\$4 or install\$4)))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 15:05
(postinstall\$4 or postupdat\$4 or postupgrad\$4) and ((updat\$4 or upgrad\$4 or install\$4) near3 (software or application((updat\$4 or upgrad\$4 or install\$4) near3 (software or application or module or code or program)) and ((error or failure) near3 threshold) and (repeat\$4 near3 (updat\$4 or upgrad\$4 or install\$4)))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 15:04
((updat\$4 or upgrad\$4 or install\$4) with ((error or failure) near3 (recovery or compensation or restart or handling or event)) ((updat\$4 or upgrad\$4 or install\$4) with ((error or failure) near3 (recovery or ((updat\$4 or upgrad\$4 or install\$4) with ((error or failure) near3 (recovery or compensation or restart or handling or event)))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:46
((updat\$4 or upgrad\$4 or install\$4) with ((error or failure) near3 (recovery or compensation or restart or handling or event))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:46
(predetermined near3 (threshold or limit)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:42
writ\$3 same(updat\$3 adj1 (data) same fail	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 12:00
364/900.ccs1. and writ\$3 same(updat\$3 adj1 (data or information or message)) same fail	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 11:32
364/900.ccs1. and writ\$3 same(updat\$3 adj1 (data or information or message)) same fail	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 11:32
717/168.ccls. and (repeat or rewrite) @a<="20011602"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 17:54

## EAST Search History

		S103 and (version near1 (upgrade or download or update)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 13:06
		((rewrite) near1 (data or information or version) same (error)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:08
		((e adj1 mail) same (update or upgrade) near1 (data or information or version) same (printer or imag\$3)) and @fd<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:35
		399/8.ccls. and <="20010517.ad."	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:31
		399/8.ccls. and .fd."20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:29
		399/8.ccls. and .fd. <="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:29
		399/8.ccls. and .fd.<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:29
		399/8.ccls. and .ad.<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:29
		((e adj1 mail) same (update or upgrade) near1 (data or information or version) same (printer or imag\$3)) and .fd. <="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:28
		358/8.ccls. and ((update or upgrade) near1 (data or information or version)) and @fd<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 16:32
		364/900.ccls. and (updat\$3 and (data or information or message)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 11:31
S1	1	("6075953").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/19 10:34
S2	6	("4799081"   "5218406"   "5243382"   "5303005"   "5343276"   "5677775").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/19 09:19
S3	9	("4497037"   "4549044"   "4583834"   "5077582"   "5184179"   "5293196"   "5300980"   "5373349"   "5390003").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/19 10:31

## EAST Search History

S4	0	364/900.ccls. and (updat\$3 and (data or information or message))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/19 10:34
S5	0	364/900.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/19 10:32
S6	138	399/8.ccls. and (updat\$3 and (data or information or message))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/19 10:37
S7	75	S6 and @pd<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/19 10:37
S8	135	399/8.ccls. and (updat\$3 and (data))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/19 10:37
S9	73	S8 and @pd<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/19 10:35
S10	35	399/8.ccls. and (updat\$3 near1 (data))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/19 10:37
S11	25	S10 and @pd<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/19 10:37
S12	58	399/8.ccls. and (updat\$3 near1 (data or information or message))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 14:31
S13	29	S12 and @pd<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/19 13:01
S14	1	("5845255").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/19 13:01
S15	3	399/8.ccls. and (updat\$3 near1 (software)) and @pd<="20010516"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:30
S16	0	S15 and e-mail	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 12:04
S17	0	S15 and ("e-mail" or e adj1 mail)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 12:04
S18	12	(updat\$3 near1 (software)) same (e adj1 mail) and @pd<="20010516"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 12:07
S19	32	(updat\$3 near1 (software or data)) same (e adj1 mail) and @pd<="20010516"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 12:07

## EAST Search History

S20	38	(updat\$3 near1 (software or data or version)) same (e adj1 mail) and @pd<="20010516"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 12:31
S21	14	S20 and (printer or imag\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 12:31
S22	0	("8664388").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/20 13:51
S23	0	"08664388".pn.	US-PGPUB; USPAT	OR	ON	2005/09/20 13:52
S24	0	("8664388").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/20 13:52
S25	17	399/8.ccls. and ((update or upgrade) near1 (data or information or version)) and @pd<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 14:38
S26	0	399/11.ccls. and ((update or upgrade) near1 (data or information or version)) and @pd<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 14:38
S27	0	358/8.ccls. and ((update or upgrade) near1 (data or information or version)) and @pd<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 16:31
S28	21	358/1.15.ccls. and ((update or upgrade) near1 (data or information or version)) and @pd<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 15:26
S29	1	("0143924").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/20 15:27
S30	1	("20020143924").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/20 15:27
S31	0	358/8.ccls. and ((update or upgrade) near1 (data or information or version)) and fd<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 16:32
S32	36	399/8.ccls. and ((update or upgrade) near1 (data or information or version)) and fd<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 16:32
S33	35	S32 and printer	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 16:32
S34	18	399/8.ccls. and ((update or upgrade) near1 (data or information or version) same (printer or imag\$3)) and fd<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 16:35

## EAST Search History

S35	1	399/8.ccls. and ((e adj1 mail) same (update or upgrade) near1 (data or information or version) same (printer or imag\$3)) and fd<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:14
S36	25	((e adj1 mail) same (update or upgrade) near1 (data or information or version) same (printer or imag\$3)) and fd<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:27
S37	25	((e adj1 mail) same (update or upgrade) near1 (data or information or version) same (printer or imag\$3)) and fd<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:14
S38	25	((e adj1 mail) same (update or upgrade) near1 (data or information or version) same (printer or imag\$3)) and fd <="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:32
S39	0	((e adj1 mail) same (update or upgrade) near1 (data or information or version) same (printer or imag\$3)).fd. <="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:28
S40	0	((e adj1 mail) same (update or upgrade) near1 (data or information or version) same (printer or imag\$3)).ad. <="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:29
S41	0	399/8.ccls..ad.<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:29
S42	3403	399/8.ccls..fd."20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:30
S43	0	399/8.ccls. and "20010517<=.ad."	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:31
S44	0	399/8.ccls. and "20010517 <=.ad."	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:31
S45	0	399/8.ccls. and "20010517 <=.fd."	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:31
S46	25	((e adj1 mail) same (update or upgrade) near1 (data or information or version) same (printer or imag\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:33

## EAST Search History

S47	1	((e adj1 mail) same (update or upgrade) near1 (data or information or version) same (printer or imag\$3)) and @pd<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 17:35
S48	6	((e adj1 mail) same (update or upgrade) near1 (data or information or version) same (printer or imag\$3)) and @ad<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 18:02
S49	5	((e adj1 mail) same (update or upgrade) near1 (data or information or version) same (error)) and @ad<="20010517"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 18:03
S50	0	399/8.ccls. and ((e adj1 mail) same (update or upgrade) near1 (data or information or version) same (error))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 18:04
S51	0	399/11.ccls. and ((e adj1 mail) same (update or upgrade) near1 (data or information or version) same (error))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 18:04
S52	0	358/1.18.ccls. and ((e adj1 mail) same (update or upgrade) near1 (data or information or version) same (error))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 18:04
S53	0	358/1.16.ccls. and ((e adj1 mail) same (update or upgrade) near1 (data or information or version) same (error))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 18:05
S54	0	358/1.15.ccls. and ((e adj1 mail) same (update or upgrade) near1 (data or information or version) same (error))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 18:36
S55	0	358/1.15.ccls. and ((update or upgrade) near1 (data or information or version) same (error) same(repeat))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 18:37
S56	0	358/1.16.ccls. and ((update or upgrade) near1 (data or information or version) same (error) same(repeat))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 18:37
S57	0	399/8.ccls. and ((update or upgrade) near1 (data or information or version) same (error) same(repeat))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 18:38

## EAST Search History

S58	0	399/11.ccls. and ((update or upgrade) near1 (data or information or version) same (error) same(repeat))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 18:38
S59	30	((update or upgrade) near1 (data or information or version) same (error) same(repeat))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:08
S60	319	(rewrite) near1 (data or information or version) same (error)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:15
S61	1	S60 and 399/8.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:13
S62	0	S60 and 399/11.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:12
S64	3	S60 and 358/1.16.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:09
S65	1279	(write) near1 (data or information or version) same (fail)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:13
S66	0	S65 and 399/11.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:12
S67	0	S65 and 358/1.15.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:12
S68	0	S19 and 358/1.15.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:13
S69	0	S65 and 399/8.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:13
S70	0	S65 and 358/1.15.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:13
S71	4335	(write or upgrade or update) near1 (data or information or version) same (fail\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:16
S72	0	S71 and 399/8.ccls	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:14
S73	0	S71 and 399/11.ccls	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:14



## EAST Search History

S74	0	S71 and 358/1.18.ccls	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:14
S75	0	S71 and 358/1.16.ccls	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:14
S76	0	S71 and 358/1.15.ccls	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:14
S77	897	S71 and repeat	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:16
S78	3083	(write ) near1 (data or information or version) same (fail\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:16
S79	641	S78 and repeat	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:16
S80	2544	(write ) adj1 (data or information or version) same (fail\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:19
S81	532	S80 and repeat	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:17
S82	2544	(write) adj1 (data or information or version) same (fail\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:19
S83	2544	((write) adj1 (data or information or version)) same (fail\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 19:19
S84	7	((("6785015") or ("20030067628") or ("6295423") or ("6727998") or ("6426799") or ("20020143924") or ("6622266")).PN.	US-PGPUB; USPAT	OR	OFF	2005/09/21 09:11
S85	4	((("6044205") or ("6123737") or ("6151643") or ("6202081")).PN.	US-PGPUB; USPAT	OR	OFF	2005/09/21 09:12
S86	319	(rewrite) near1 (data or information or version) same (error)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 09:15
S87	3	S86 and 358/1.15.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 09:44
S88	0	("2004/0160639").URPN.	USPAT	OR	ON	2005/09/21 09:30
S89	1	358/1.15.ccls. and data and trasfer and method	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 09:45

## EAST Search History

S90	2441	358/1.15.ccls. and data and transfer and method	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 09:48
S91	44	358/1.15.ccls. and data adj1 transfer and fail\$3 same (repeat or return or rewrite)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 12:55
S92	6	358/1.15.ccls. and data adj1 transfer and fail\$3 same (repeat or rewrite)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 12:56
S93	0	399/8.ccls. and data adj1 transfer and fail\$3 same (repeat or rewrite)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 12:56
S94	0	399/11.ccls. and data adj1 transfer and fail\$3 same (repeat or rewrite)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 12:56
S95	3	358/1.16.ccls. and data adj1 transfer and fail\$3 same (repeat or rewrite)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 13:01
S96	6	358/1.15.ccls. and data adj1 transfer and fail\$3 same (repeat or rewrite)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 12:56
S97	3184	358/1.16.ccls. (upload or upgrade or write) same (fail\$3 or error) same (repeat or rewrite)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 13:09
S98	5867	358/1.15.ccls. (upload or upgrade or write) same (fail\$3 or error) same (repeat or rewrite)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 13:02
S99	1961	399/8.ccls. (upload or upgrade or write) same (fail\$3 or error) same (repeat or rewrite)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 13:03
S10 0	1775	399/11.ccls. (upload or upgrade or write) same (fail\$3 or error) same (repeat or rewrite)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 13:03
S10 1	843	(S97 or S98 or S99 or S100) and (e adj1 mail)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 13:04
S10 2	830	S101 and data	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 13:04
S10 3	298	S102 and @ad<="20010516"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 13:05
S10 4	116	S103 and version	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 13:05

## EAST Search History

S10 5	1	S103 and (version near1 (upgrade or download or update))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 13:06
S10 6	6	358/1.16.ccls. and (repeat or rewrite) adj1 (data or version or information) same (error or fail\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 17:53
S10 7	4	358/1.15.ccls. and (repeat or rewrite) adj1 (data or version or information) same (error or fail\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 13:19
S10 8	29947	(Update or upgrade) same (error or fail\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 13:20
S10 9	457	S108 and S97	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 13:21
S11 0	539	S108 and S98	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 13:21
S11 1	445	S108 and S99	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 13:21
S11 2	441	S108 and S100	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 17:42
S11 3	39	717/168.ccls. and e-mail	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 17:47
S11 4	3	S113 and upgrade near1 (version or software or data) same (error or fail\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 17:46
S11 5	0	717/168.ccls. and (repeat or rewrite) adj1 (data or version or information) same (error or fail\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 17:54
S11 6	90	717/168.ccls. and (repeat or rewrite)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 17:54
S11 7	3604171	717/168.ccls. and (repeat or rewrite) @ad<="20011602"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 17:54
S11 8	50	717/168.ccls. and (repeat or rewrite) and @ad<="20011602"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 18:02
S11 9	14	717/168.ccls. and (writ\$3) same (update near1 data)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 10:35
S12 0	1	("6204928").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/22 10:33

## EAST Search History

S12 1	1	("6202081").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/22 10:33
S12 2	0	"6202081".pn. and (fail or error)	US-PGPUB; USPAT	OR	ON	2005/09/22 10:34
S12 3	1	"6202081".pn.	US-PGPUB; USPAT	OR	ON	2005/09/22 10:34
S12 4	3	717/168.ccls. and (writ\$3) adj1 (data) same fail	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 10:37
S12 5	1	399/8.ccls. and (writ\$3) adj1 (data) same fail	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 10:38
S12 6	0	399/11.ccls. and (writ\$3) adj1 (data) same fail	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 10:38
S12 7	0	358/1.16ccls. and (writ\$3) adj1 (data) same fail	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 10:38
S12 8	2	358/1.16.ccls. and (writ\$3) adj1 (data) same fail	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 10:39
S12 9	0	364/900.ccls. and writ\$3 same(updat\$3 adj1 (data or information or message)) same fail	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 11:33
S13 0	1	717/168.ccls. and writ\$3 same(updat\$3 adj1 (data or information or message)) same fail	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 11:34
S13 1	0	358/1.16.ccls. and writ\$3 same(updat\$3 adj1 (data or information or message)) same fail	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 11:34
S13 2	108	writ\$3 same(updat\$3 adj1 (data or information or message)) same fail	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 11:59
S13 3	23	S132 and (imaging or print\$2 or copier or facimile or fax)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 11:35
S13 4	84	writ\$3 same(updat\$3 adj1 (data)) same fail	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 12:01
S13 5	0	(writ\$3 adj 1data) same fail	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 12:01
S13 6	1551	(writ\$3 adj1 data) same fail	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 12:01

## EAST Search History

S13 7	3	S136 and 717/168.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 12:03
S13 8	2	S136 and 358/1.16.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 12:04
S13 9	0	S136 and 358/1.15.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 12:03
S14 0	1	S136 and 399/8.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:30
S14 1	0	S136 and 399/11.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 12:03
S14 2	154	((error or failure) near3 threshold) and (repeat\$4 near3 (updat\$4 or upgrad\$4 or install\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 17:41
S14 3	7932	(repeatedly near3 (writ\$4 or stor\$4 or install\$4 or updat\$4 or upgrad\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:35
S14 4	85209	(predetermined near3 threshold)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:42
S14 5	79	S142 and S144	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 15:40
S14 6	16	S142 and S144 and S143	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:32
S14 7	1581	(repeatedly near3 (writ\$4 or stor\$4 or install\$4 or updat\$4 or upgrad\$4)) near3 (software or data)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:36
S14 8	8	S147 and 717/168.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:36
S14 9	140205	(predetermined near3 (threshold or limit))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:43
S15 0	308646	(predetermined near3 (threshold or limit or number))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:43
S15 1	1	S150 and S148	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:44

## EAST Search History

S15 2	450	S150 and S147	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:44
S15 3	4724	((updat\$4 or upgrad\$4 or install\$4) near3 (software or application or module or code or program)) and (predetermined near3 threshold)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:45
S15 4	90440	((updat\$4 or upgrad\$4 or install\$4) near3 (software or application or module or code or program))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:46
S15 5	1882	((updat\$4 or upgrad\$4 or install\$4) with ((error or failure) near3 (recovery or compensation or restart or handling or event)))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:49
S15 6	0	S154 and 717/168.ccls	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:47
S15 7	0	S154 and 399/8.ccls	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:47
S15 8	0	S154 and 399/11.ccls	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:47
S15 9	0	S154 and 399/1.16.ccls	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:47
S16 0	0	S154 and 399/1.15.ccls	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:48
S16 1	0	S153 and 399/1.15.ccls	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:48
S16 2	0	S154 and 399/1.15.ccls	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:48
S16 3	0	S154 and 399/1.16.ccls	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:48
S16 4	0	S153 and 399/1.16.ccls	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:48
S16 5	0	S155 and 399/1.16.ccls	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:48
S16 6	0	(postinstall\$4 or postupdat\$4 or postupgrad\$4) and 717/168.ccl	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:49

## EAST Search History

S16 7	0	(postinstall\$4 or postupdat\$4 or postupgrad\$4) and 717/168.ccls	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 14:50
S16 8	12	(postinstall\$4 or postupdat\$4 or postupgrad\$4) and ((updat\$4 or upgrad\$4 or install\$4) near3 (software or application or module or code or program))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 15:04
S16 9	36	((error or failure) near3 threshold) and (repeat\$4 near3 (updat\$4 or upgrad\$4 or install\$4)) and ((updat\$4 or upgrad\$4 or install\$4) near3 (software or application or module or code or program))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 15:12
S17 0	2	("20030210210"   "5923046").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 15:42
S17 1	417	((updat\$4 or upgrad\$4 or install\$4) with (error or failure)) AND (repeatedly near3 (writ\$4 or stor\$4 or install\$4 or updat\$4 or upgrad\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 17:43
S17 2	0	S171 and 358/1.14.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 18:03
S17 3	1	S171 and 358/1.15.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 17:57
S17 4	0	S171 and 358/1.16.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 17:54
S17 5	0	S171 and 399/8.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 17:57
S17 6	0	S171 and 399/11.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 17:58
S17 7	3	S171 and 717/168.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 17:58
S17 8	1233	358/1.14.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 18:03
S17 9	0	S178 and ((error or failure) near3 threshold) and (repeat\$4 near3 (updat\$4 or upgrad\$4 or install\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 18:04

## EAST Search History

S18 0	10	S178 and (repeatedly near3 (writ\$4 or stor\$4 or install\$4 or updat\$4 or upgrad\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 18:25
S18 1	24	S178 and (((updat\$4 or upgrad\$4 or install\$4) near3 (software or application or module or code or program)) and ((updat\$4 or upgrad\$4 or install\$4) with (error or failure)))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 18:28
S18 2	16	(US-20040122919-\$ or US-20040117541-\$ or US-20040255286-\$ or US-20030159086-\$ or US-20050024667-\$).did. or (US-5243382-\$ or US-5303005-\$ or US-6204928-\$ or US-6188851-\$ or US-6151643-\$ or US-6123737-\$ or US-6078652-\$ or US-6202081-\$ or US-6915514-\$ or US-6742025-\$ or US-6044205-\$).did.	US-PGPUB; USPAT	OR	ON	2006/03/15 17:39
S18 3	2	S182 and (second near5 memory)	US-PGPUB; USPAT	OR	ON	2006/03/15 18:17
S18 4	15977	memory near5 (temporary near2 stor\$3)	US-PGPUB; USPAT	OR	ON	2006/03/15 17:54
S18 5	315	((another additional second) near2 memory) near5 (temporary near2 stor\$3)	US-PGPUB; USPAT	OR	ON	2006/03/15 17:55
S18 6	8	S185 same update	US-PGPUB; USPAT	OR	ON	2006/03/15 18:11
S18 7	0	Dastori.xp.	US-PGPUB; USPAT	OR	ON	2006/03/15 18:11
S18 8	116	Dastouri.xp.	US-PGPUB; USPAT	OR	ON	2006/03/15 18:12
S18 9	959	Joe.xp.	US-PGPUB; USPAT	OR	ON	2006/03/15 18:11
S19 0	847	Joe.xa.	US-PGPUB; USPAT	OR	ON	2006/03/15 18:11
S19 1	15	S188 and update	US-PGPUB; USPAT	OR	ON	2006/03/15 18:12



# EAST Search History

S19 2	300	(US-6771385-\$ or US-6941160-\$ or US-4317114-\$ or US-5668991-\$ or US-5945995-\$ or US-6115561-\$ or US-4600673-\$ or US-4817173-\$ or US-4839747-\$ or US-5255353-\$ or US-5303005-\$ or US-5317421-\$ or US-5465160-\$ or US-5502385-\$ or US-5574762-\$ or US-5630022-\$ or US-5659843-\$ or US-5706362-\$ or US-5717974-\$ or US-5761480-\$ or US-5767822-\$ or US-5805714-\$ or US-5889918-\$ or US-5930553-\$ or US-6035151-\$ or US-6041175-\$). did. or (US-6085028-\$ or US-6108430-\$ or US-6111988-\$ or US-6175355-\$ or US-6292577-\$ or US-6327446-\$ or US-6327453-\$ or US-6336008-\$ or US-6341203-\$ or US-6400502-\$ or US-6415114-\$ or US-6459863-\$ or US-6542633-\$ or US-6661980-\$ or US-6708005-\$ or US-6775238-\$ or US-6914608-\$ or US-6915085-\$ or US-6952535-\$ or US-6065044-\$ or US-5761404-\$ or US-5852813-\$ or US-5890139-\$ or US-5933851-\$ or US-6249771-\$ or US-6434745-\$ or US-6741724-\$). did. or (US-6782419-\$ or US-5544080-\$ or US-6230111-\$ or US-6249780-\$ or US-5191646-\$ or US-4137962-\$ or US-4247317-\$ or US-4267572-\$ or US-4295319-\$ or US-4354269-\$ or US-4541347-\$ or US-4571684-\$ or US-4615038-\$ or US-4619469-\$ or US-4759037-\$ or US-4771396-\$ or US-4833665-\$ or US-4835725-\$ or US-4918429-\$ or US-4982182-\$ or US-4992797-\$ or US-4993015-\$ or US-5001688-\$ or US-5179241-\$ or US-5287534-\$ or US-5302777-\$ or US-5333239-\$). did. or (US-5355476-\$ or US-5373447-\$ or US-5394546-\$ or US-5418734-\$ or US-5436653-\$ or US-5455947-\$ or US-5465352-\$ or US-5467675-\$ or US-5499302-\$ or US-5504518-\$ or US-5513171-\$ or US-5524087-\$ or US-5537579-\$ or US-5539659-\$ or US-5541859-\$ or US-5553191-\$ or US-5559877-\$ or US-5572246-\$ or US-5572621-\$ or US-5604853-\$ or US-5612729-\$ or US-5615397-\$ or US-5619655-\$ or US-5621454-\$ or US-5652857-\$ or US-5657627-\$ or US-5668713-\$). did. or (US-5671402-\$ or US-5677961-\$ or US-5742795-\$ or US-5870584-\$ or US-5872732-\$ or US-5886643-\$ or US-5889760-\$ or	USPAT	OR	ON	2006/03/15 18:16
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## EAST Search History

S19 3	0	S192 and S183	US-PGPUB; USPAT	OR	ON	2006/03/15 18:17
S19 4	80	S192 and (second near5 memory)	US-PGPUB; USPAT	OR	ON	2006/03/15 18:18
S19 5	0	S192 and S185	US-PGPUB; USPAT	OR	ON	2006/03/15 18:17
S19 6	18	S192 and ((second near5 memory) near5 updat\$3)	US-PGPUB; USPAT	OR	ON	2006/03/15 18:25
S19 7	37	S192 and ((second near5 memory) near5 stor\$3)	US-PGPUB; USPAT	OR	ON	2006/03/15 18:25
S19 8	18	S192 and ((first near5 memory) near5 updat\$3)	US-PGPUB; USPAT	OR	ON	2006/03/15 18:25
S19 9	2	S192 and ((second near5 memory) near5 (tempora\$4 near2 stor\$3))	US-PGPUB; USPAT	OR	ON	2006/03/15 18:31
S20 0	2	(("6560703") or ("20040068334")). PN.	US-PGPUB; USPAT	OR	OFF	2006/03/15 18:50
S20 1	46	(back adj1 memory) near5 (stor\$3 near2 data) same updat\$3	US-PGPUB; USPAT	OR	ON	2006/03/15 19:07
S20 2	0	(back adj1 memory) near5 (stor\$3 near2 data) same ((un adj2 updat\$3) unupdat\$3)	US-PGPUB; USPAT	OR	ON	2006/03/15 19:08
S20 3	5	(memory) near5 (stor\$3 near2 data) same ((un adj2 updat\$3) unupdat\$3)	US-PGPUB; USPAT	OR	ON	2006/03/15 19:12
S20 4	4	(memory) near5 (stor\$3 near2 data) same ((un adj2 updat\$3) unupdat\$3 and updat\$3)	US-PGPUB; USPAT	OR	ON	2006/03/15 19:19
S20 5	4022	toyoda.as.	US-PGPUB; USPAT	OR	ON	2006/03/15 19:20
S20 6	8	S205 and (data near2 updat\$3)	US-PGPUB; USPAT	OR	ON	2006/03/15 19:20
S20 7	11	S205 and ((firmware information data) near2 updat\$3)	US-PGPUB; USPAT	OR	ON	2006/03/15 19:22
S20 8	8368	(failure error) same ((firmware information data) near2 updat\$3)	US-PGPUB; USPAT	OR	ON	2006/03/15 19:24
S20 9	1618	(failure error) same ((firmware information data) near2 updat\$3) same memory	US-PGPUB; USPAT	OR	ON	2006/03/15 19:31
S21 0	697	(old unupdate\$2 (un Adj2 update\$2)) near2 (information software firmware data program) near5 (sent save\$2 stor\$2 tranfer\$2 deliver\$2) near5 (RAM ROM memory disk (hard adj1 disk))	US-PGPUB; USPAT	OR	ON	2006/03/15 19:30

## EAST Search History

S21 1	20749	(original first primary old unupdate\$2 (un Adj2 update\$2)) near2 (information software firmware data program) near5 (sent save\$2 stor\$2 tranfer\$2 deliver\$2) near5 (RAM ROM memory disk (hard adj1 disk))	US-PGPUB; USPAT	OR	ON	2006/03/15 19:31
S21 2	199	S211 and S209	US-PGPUB; USPAT	OR	ON	2006/03/15 19:31
S21 3	6522	(failure error) same ((firmware information data) near2 (rewrite write updat\$3)) same memory	US-PGPUB; USPAT	OR	ON	2006/03/15 19:32
S21 4	851	S211 and S213	US-PGPUB; USPAT	OR	ON	2006/03/15 19:32
S21 5	18	"358"/\$.ccls. and S214	US-PGPUB; USPAT	OR	ON	2006/03/15 19:32
S21 6	1	("6101576").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/16 07:59
S21 7	0	("1andsecondadj1memory").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/16 07:20
S21 8	842134	S216 and second memory	US-PGPUB; USPAT	OR	ON	2006/03/16 07:22
S21 9	1	S216 and second near2 memory	US-PGPUB; USPAT	OR	ON	2006/03/16 07:22
S22 0	1	("20020143924").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/16 08:00
S22 1	1	S220 and memory	US-PGPUB; USPAT	OR	ON	2006/03/16 08:00